



HOT WATER COIL PIPING DETAIL

(ON/OFF FLOW THROUGH COIL, FAIL TO FULL HEAT)

SCALE: NONE

NOTES:

- SEE SHEET 9 FOR PNEUMATIC CONTROL DIAGRAM.
- SEE SHEET 10 FOR STACKED COIL PIPING.
- SEE SHEET 11 FOR DESIGN NOTES.
- APPLICATION: OUTSIDE AIR PREHEAT COIL (MODULATING FACE AND BY-PASS).

KEYED NOTES

- INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
- MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DON NOT COVER PLUG WITH INSULATION.
- INSTALL SWING JOINTS AT COIL CONNECTIONS.
- CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY & RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
- INSTALL MANUAL AIR VENTS IN SUPPLY & RETURN COIL BRANCH PIPING AS FOLLOWS:
 - IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
 - CLOSE TO COIL WHEN PIPING NOT ABOVE MAIN (SIDE CONNECTION).

NO.	DATE	CLASS REV	REVISIONS	APP
FACILITY ENGINEERING MANUAL				
COIL PIPING HOT WATER				
(END CONNECTIONS) ON/OFF FLOW THROUGH COIL, FAIL TO FULL HEAT				
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CHAPTER 6			ST6121	
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